

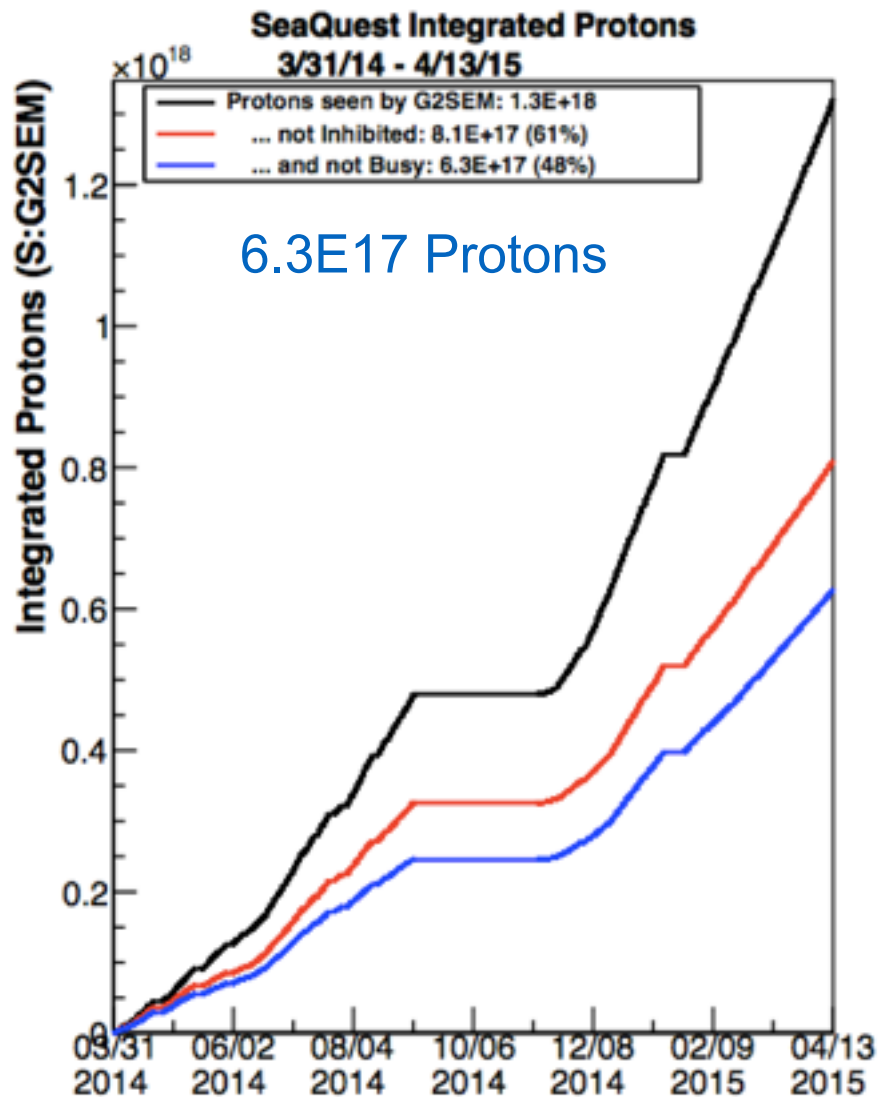
SeaQuest Status

April 6-12, 2015

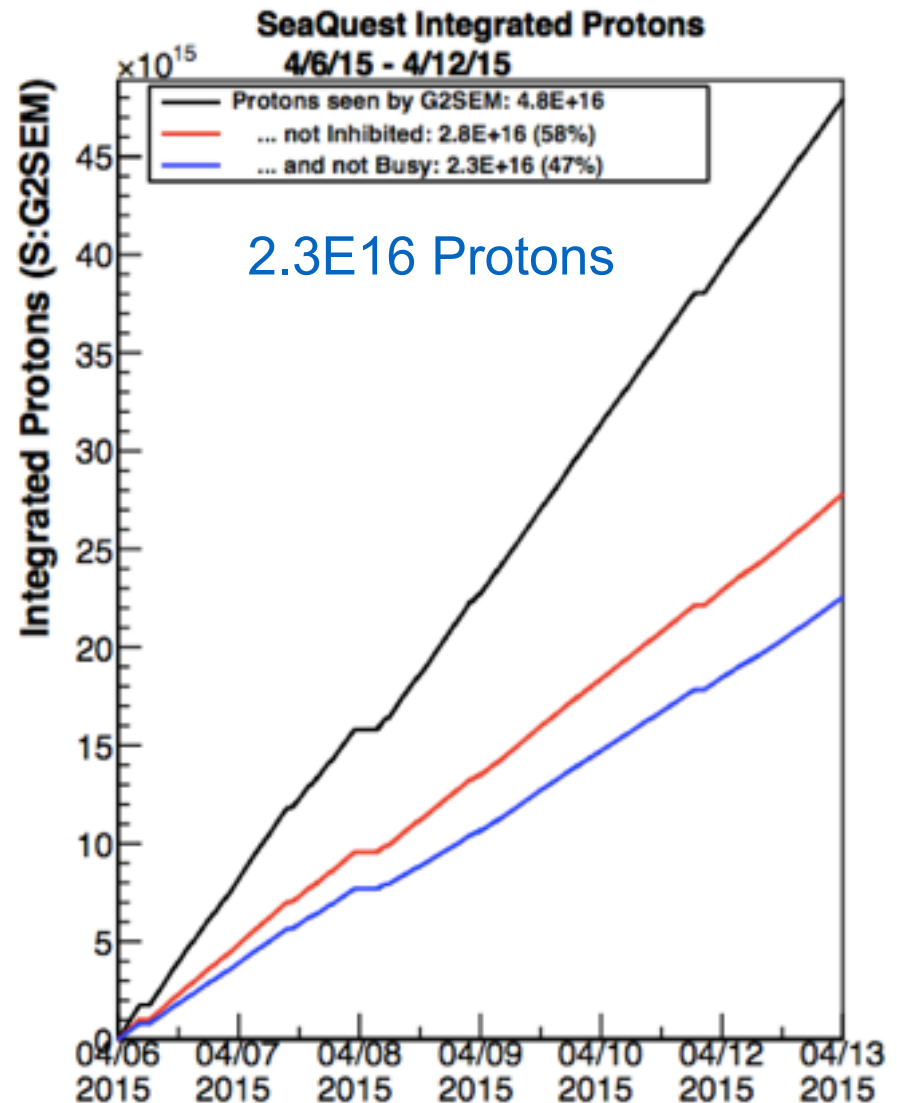
Brian Tice

April 13, 2015

Full Production Runs II+III



Previous Week



SeaQuest Presents

- ▶ 3 talks at APS presented by students on Saturday in Baltimore

Exploring Sea Quark EMC Effect and Anti-Shadowing
Through Drell-Yan at SeaQuest / Fermilab E906
-Bryan Dannowitz-

Studies of Proton-Induced Dimuons with 120 GeV
Protons and the Iron Beam Dump at E906/SeaQuest
-Randall “Evan” McClellan-

Measuring the ratio of \bar{d}/\bar{u} in the proton as a function of
 x at SeaQuest
-Bryan Kerns-

Other News

- Issues at Q1 caused one unfocused spill - tripped rad monitor and wire chamber
 - Problem understood, fixed. AD working on mechanism to prevent in future.
- Analysis magnet (KMag) trip Wednesday around noon. Unnoticed for 16 hours.
 - We have added notification for this problem. SeaQuest shifter/experts will be alerted.
 - This is our configuration for calibrations - these data will be very well aligned...
- Power glitch Thursday (the stormy day) caused hodoscope HV set to 0
 - No damage done, expert quickly fixed problem. ~30 min beam loss.
- Added new ACNET variables
 - F:SQINH - percent of protons in spill inhibited, ~40% (added 2 weeks ago)
 - F:SQBUSY - percent of protons in spill for which DAQ was busy, ~10%
 - F:SQLIVE - percent of protons in spill suitable for analysis, ~50%
- All subsystems currently performing well
 - Beam monitoring, targets, magnets, detectors, DAQ all good

